This listing of claims will replace all prior versions, and listings, of claims in the

application:

Listing of Claims:

Claim 1 (currently amended): A method for the production of acrylic acid comprising:

a step of introducing a mixed gas containing propylene and molecular oxygen into

a first reactor packed with a complex oxide catalyst having molybdenum and bismuth as

essential components and oxidizing propylene and obtaining an acrolein-containing gas;

a step of introducing said acrolein-containing gas into a second reactor packed

with a complex oxide catalyst having molybdenum and vanadium as essential

components and obtaining an acrylic acid-containing gas;

and a step of introducing said acrylic acid-containing gas into an acrylic acid

absorption column and causing it to contact an absorbent, wherein said absorbent is

introduced into said acrylic acid absorption column at a mass flow rate in the range of 0.1

- 1.5 times the mass flow rate of propylene introduced into said first reactor, thereby

obtaining an acrylic acid-containing solution in which

(a) said mixed gas for introduction into said first reactor having a propylene

concentration in the range of 7 - 15 vol. % and a water concentration in the range of 0 -

10 vol. %, and

(b) said acrylic acid-containing solution obtained in said acrylic acid absorption

column having a water concentration in the range of 1 - 45 wt. %.

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Claim 2 (canceled)

Claim 3 (original): A method according to claim 1, wherein a main component of said

absorbent is water.

Claim 4 (currently amended): A method for the production of acrylic acid comprising a

step of introducing a mixed gas containing propylene and molecular oxygen into a first

reactor packed with a complex oxide catalyst having molybdenum and bismuth as

essential components and oxidizing propylene and obtaining an acrolein-containing gas, a

step of introducing said acrolein-containing gas into a second reactor packed with a

complex oxide catalyst having molybdenum and vanadium as essential components and

obtaining an acrylic acid-containing gas, and a step of introducing said acrylic acid-

containing gas into an acrylic acid absorption column and causing it to contact an

absorbent, wherein said absorbent is introduced into said acrylic acid absorption column

at a mass flow rate in the range of 0.1 - 1.5 times the mass flow rate of propylene

introduced into said first reactor, thereby obtaining an acrylic acid-containing solution in

which

(a) said propylene concentration of said mixed gas introduced into said first

reactor being in the range of 7 - 15 vol. % and the water concentration in said mixed gas

being in the range of 0 - 10 vol. %, and

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(b) said water concentration of said acrylic acid-containing solution obtained in

the acrylic acid absorption column being adjusted to a level in the range of 1 - 45 wt. %

by adjusting the amount of an absorbent to be introduced.

Claim 5 (original): A method according to claim 4, wherein the amount of said absorbent

to be introduced is 0.1 - 1.5 times the mass flow amount of propylene introduced into said

first reaction zone.

Claim 6 (previously presented): A method for the production of polyacrylic acid

comprising the step of polymerizing the acrylic acid obtained by the method set forth in

claim 1.

Claim 7 (currently amended): A method for the production of polyacrylic acid

comprising the step of polymerizing using the acrylic acid obtained by the method set

forth in claim 3.